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USAF Declass/Release Instructions On File

THE

AIR FORCE

U-2

*Filed 25 March 1960
for Gen. Johnston on 30 March 1960*

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WEAPON DESCRIPTION

AIRCRAFT: SINGLE ENGINE, SINGLE PLACE, LONG RANGE,
HIGH ALTITUDE RECON. SIMPLE DESIGN, LIGHT
WEIGHT CONSTRUCTION. SIMPLICITY, RELIABILITY
AND AIR TRANSPORTABILITY BEING PRIME DESIGN
CRITERIA FOR BEST MISSION PERFORMANCE.

ENGINE: P&W J57-31 OR -37 - 11,200 LBS. THRUST

WING SPREAD: 80 FT. WET WING HI ASPECT RATIO - 10.67 TO 1

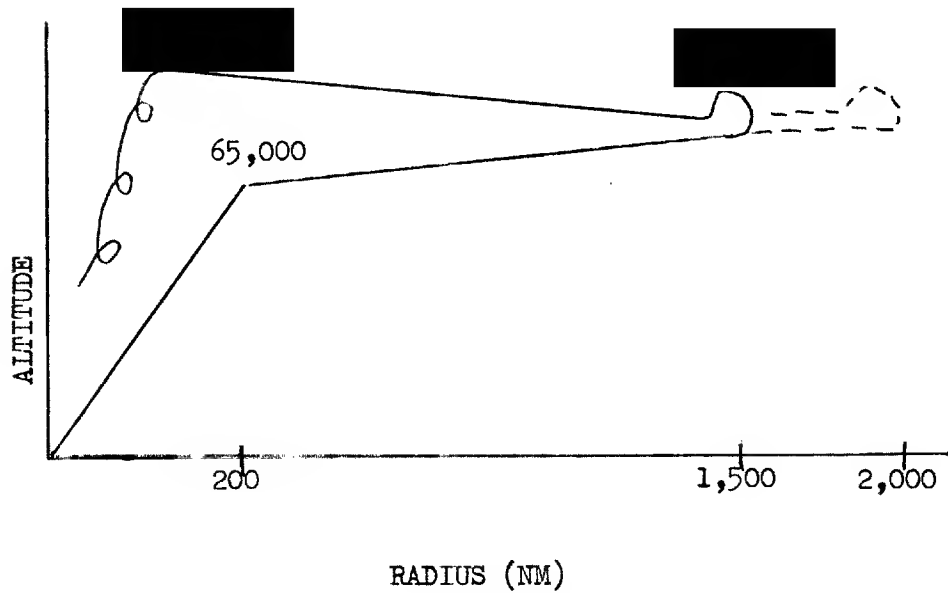
WING AREA: 600 SQ. FT.

FUSELAGE LENGTH: 50 FT.

DESIGN GROSS WEIGHT: 17,750 LBS.

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MISSION PROFILERANGE

NORMAL	3,000 NM
MAX	4,000 NM

GROSS WEIGHT

NORMAL	17,750 LBS.
MAX	20,136 LBS.

<u>CRUISE SPEED</u>	425 KTS. (0.74 MACH)
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MISSION TIME

NORMAL	8 HRS.
MAX	10 HRS.

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HISTORY
OF
ORGANIZATION, MISSION, & OPERATION

WSPO:

ORGANIZED JAN 1956 UNDER B-57 WSPO.

CURRENTLY UNDER LMBA.

INITIAL MANNING - 3 AMC - 1 ARDC

PRESENT MANNING - 4 AMC - 1 WADD

RESPONSIBILITIES:

- EXECUTIVE MANAGEMENT
- LOGISTICAL MANAGEMENT
- FISCAL PROGRAMMING
- CONTRACTUAL FUNCTION
- MONITOR WSSC
- AFPR FUNCTION
- LIASON

PROGRAMMING & FUNDING:

SUBMIT ANNUAL PROGRAM AND FISCAL REQUIRE-
MENT TO DCS/M FOR CLASSIFIED PROJECTS.

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HISTORYOFORGANIZATION, MISSION, & OPERATION (CONT'D)

WEAPON SYSTEM SUPPORT CENTER: WSSC ESTABLISHED AT WRAMA FOR THE
INVENTORY ACQUISITION
IM ACTIVITY.

OPERATIONAL MISSION & CONCEPT: (1) UNCLAS - PROVIDE UPPER AIR METEOR-
OLOGICAL DATA IN SUPPORT OF GEOPHYSICS
RESEARCH THROUGHOUT ~~EASTERN~~ ^{WESTERN} HEMISPHERE.

25X1D

MISSION

CONCEPT

- (1) HOME BASE AND 4 DETACHMENT OPERATION
PLAN FOR SAC.
- (2) HOME BASE AND 3 DETACHMENT FOR ARDC.

CONFIGURATIONS & ALLOCATIONS:

SAC: ²⁻⁶ 25 OPERATIONAL AIRCRAFT WITH:

- (1) PHOTO CAPABILITY SECOND TO NONE WITH 8 HR. MISSION TIME
AND PHOTO RESOLUTION UP TO 40 LINES.
- (A) A-1 CONFIG. 3 - 6" AND 1 - 24" UNITS.
- (B) A-2 CONFIG. 3 - 24" UNITS.
- (C) B CONFIG. 1 - 36" UNIT.

25X1D

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25X1D

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PROGRAM DATA

35 AIRCRAFT LESS GF&E AND ENGINES	\$ 17,750,000
INSTALLATION EQUIPMENT AND INITIAL SPARES	13,650,000
FY-1958 PROGRAM SUPPORT	6,300,000
FY-1959 PROGRAM SUPPORT	7,600,000
FY-1960 PROGRAM SUPPORT	<u>6,900,000</u>
TOTAL EXPENDITURE THRU FY-1960:	\$ 52,200,000
FY-1961 ESTIMATED REQUIREMENTS:	6,000,000

FY SUPPORT REQUIREMENTS INCLUDES SUPPORT FOR RESEARCH PROJECTS UNDER ARDC, AIRCRAFT MODIFICATION, CRASH REPAIRS, AND COMPLETE SUPPLY SUPPORT LESS GF&E.

CONTRACTS

WSPO CURRENTLY MONITORING 28 ACTIVE CONTRACTS, I.E. LOCKHEED; BAIRD-ATOMIC; PERKIN-ELMER; HYCON; RAMO-WOOLDRIDGE; WESTINGHOUSE; FIREWEL; EASTMAN-KODAK; GENERAL PRECISION LAB.; [REDACTED] AND PRATT & WHITNEY.

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CURRENT LOGISTICAL STATUS

IRAN:

1000 HR. IRAN BY LAC.
1ST AIRCRAFT IN JAN 1960.
INPUT - 1 AIRCRAFT EVERY 2 WKS.
FLOWTIME - 6 WKS.
FLEET IRAN COMPLETE JUL 1961.

IRAN CONFIGURATION:

- (1) MODERNIZE COMMUNICATION AND NAVIGATION.
- (2) DELETE OBSOLETE INSTALLATIONS FOR WEIGHT SAVINGS.
- (3) IMPROVE CAPABILITY FOR SAMPLING.
- (4) MODIFICATION FOR RELIABILITY AND EASE OF MAINTENANCE.

MAINTENANCE:


FIELD AND UNIT MAINTENANCE PERFORMED BY SAC.
SUPPORTED BY CONTRACTOR TECHNICIANS. *AT BURBANK*
DEPOT LEVEL MAINTENANCE BY CONTRACTOR ~~AT THE FLIGHT~~
~~TEST CENTER, NORTH BASE, EDWARDS.~~

SUPPLY:

WSSC ORGANIZED FOR QUICK REACTION.
SUPPORTED BY LOG AIR.
AOCF RATE LESS THAN 1/2 OF 1 PER CENT.

CURRENT OPERATIONAL STATUS

SAC:

LAUGHLIN AFB (CREW TRAINING) 

25X1C

DEPLOYMENTS - 30 TO 90 DAYS - 3 DETACHMENTS - 3 A/C EACH

25X1A



PLATTSBURG, NEW YORK

ALASKA

MINOT, N. DAKOTA

ARDC:

EDWARDS AFB - RESEARCH

25X1A



ACCIDENT HISTORY:

SAC - 7 FATAL 1 NON FATAL

ARDC - 1 FATAL

OTHER - 3 FATAL

NO FATAL ACCIDENTS SINCE SEPTEMBER 1958

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CONCLUSION

- (1) PRESENT SYSTEM OF OPERATION IS VERY EFFECTIVE.
- (2) SUPPORT FROM THE ASC STAFF, AMC AND WADD IS IMMEDIATELY RESPONSIVE.
- (3) NO ORGANIZATIONAL OR OPERATIONAL DIFFICULTIES HAVE BEEN EXPERIENCED.

~~(4) KEY PERSONNEL GIVEN PERIODIC REVIEW OF THE PROGRAM:~~

~~GENERAL WARREN^{12/15} (ASC)~~

~~GENERAL BOGART (AMC)~~

~~GENERAL HARDY (AMC)~~

~~GENERAL ANDERSON (WRAMA) ()~~

~~REPLY~~